



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Bovine Vimentin

**CLPRO525**  
**CLPRO525-2**  
**CLPRO525-3**  
**Lot:**

**Introduction:** Vimentin expression in human malignant glioma cells depends on cellular density, algorithms of drug delivery and chemo/radio treatment. Vimentin and detyrosinated microtubules provide structural support for the extensive microtentacles observed in detached tumor cells and a mechanism to promote successful metastatic spread. Primary colorectal carcinomas display aberrant expression of vimentin, and have activated Notch and TGF-beta signalling pathways. Vimentin is a strong arterial substrate for transglutaminases. Transglutaminase-mediated vimentin dimerization results in a novel unifying pathway by which vasodilatory and remodeling responses may be regulated. Ablation of vimentin expression inhibits migration and invasion of colon and breast cancer cell lines. Vimentin is the main intermediate filament protein in mesenchymal cells and is therefore of value in the differential diagnosis of undifferentiated neoplasms.

**Description:** Bovine Vimentin protein produced in Bovine Lens, having a molecular weight of 57 kDa.

**Synonyms:** Vimentin, Vim, FLJ36605.

**Source:** Bovine Lens.

**Presentation:** 2 µg (**CLPRO525**), 10 µg (**CLPRO525-2**), or 1 mg (**CLPRO525-3**), sterile filtered white lyophilized (freeze-dried) powder. The protein (1 mg/ml) was lyophilized from a 1 mg/ml solution containing 10 mM sodium phosphate pH 7.5, 6 M urea, 2 mM DTT, 1 mM EDTA and 10 mM methylammonium chloride.

**Solubility:** It is recommended to reconstitute the Bovine Vimentin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:** Lyophilized Bovine Vimentin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Bovine Vimentin should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

**Purity:** Greater than 98.0% as determined by SDS-PAGE

**Laboratory Reagent For Research Use Only**

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